FIGURE 1

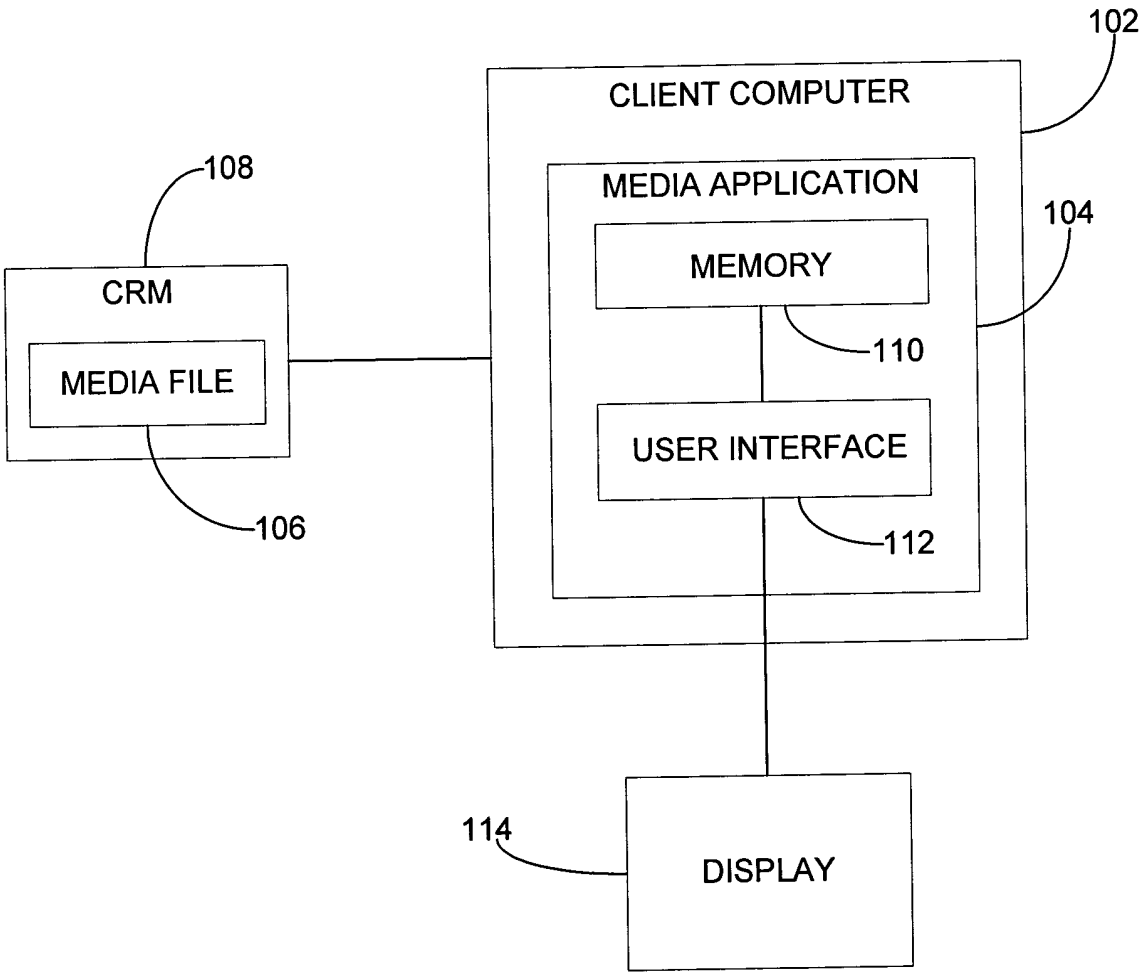

100
102
CLIENT COMPUTER
MEDIA APPLICATION
104
MEMORY
110
USER INTERFACE
112
108
CRM
MEDIA FILE
106
114
DISPLAY

FIGURE 2

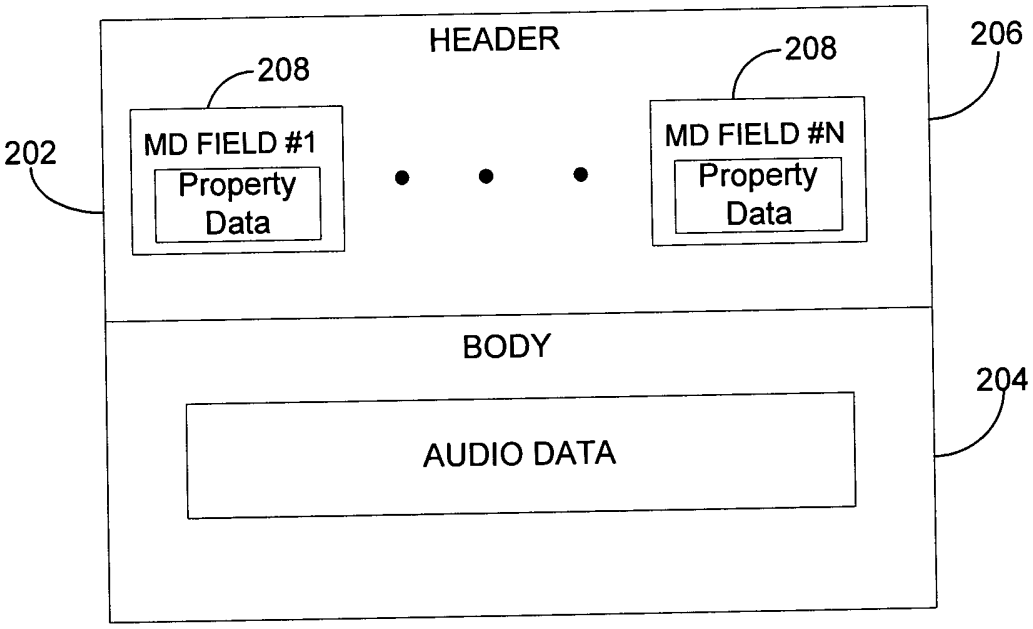

HEADER
208
208
206
202
MD FIELD #1
Property Data
MD FIELD #N
Property Data
BODY
204
AUDIO DATA

FIGURE 3

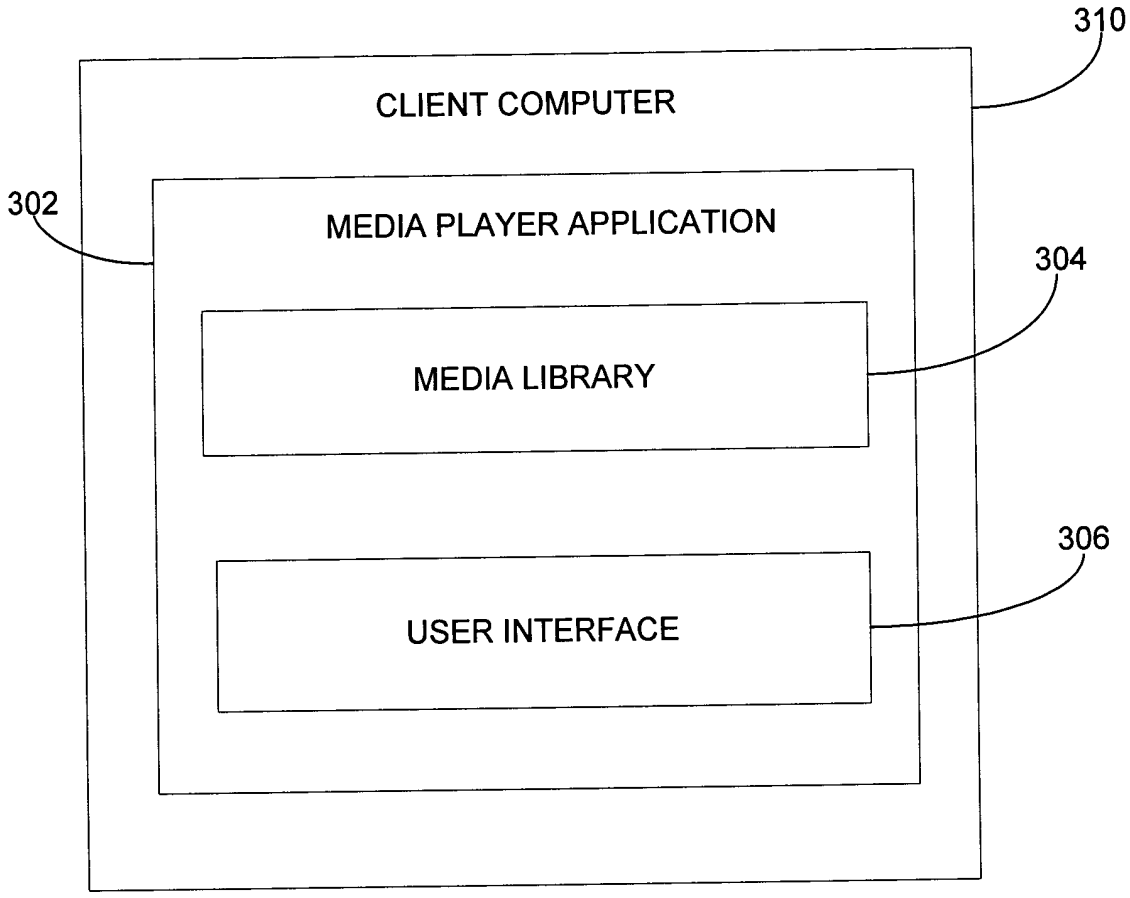

310
CLIENT COMPUTER
302
MEDIA PLAYER APPLICATION
304
MEDIA LIBRARY
306
USER INTERFACE

FIGURE 3A

Windows Media Player
File View Play Tools Help
All Music
Playlists Queue-It-Up Search Add View Album Info
Now Playing
Media Guide
Copy from CD
Media Library
Radio Tuner
Copy to CD or Device
Premium Services
Skin Chooser
All Music
Now Playing
All Music
Artist
Avril Lavigne
Eminem
Album
The Eminem Show (Eminem)
Let Go (Avril Lavigne)
Genre
Rap
Rock
Change Genre
Add Genre
Other Media
My Playlists
Auto Playlists
Radio
Premium Services
Title Artist Album Rating Media Info Genre Length
Losing Grip Avril Lavigne Let Go Found Rock 3:53
Complicated Avril Lavigne Let Go Found Rock 4:04
Sk8er Boi Avril Lavigne Let Go Found Rock 3:23
I'm With You Avril Lavigne Let Go Found Rock 3:43
Mobile Avril Lavigne Let Go Found Rock 3:31
Unwanted Avril Lavigne Let Go Found Rock 3:41
Tomorrow Avril Lavigne Let Go Found Rock 3:46
Anything but Ordinary Avril Lavigne Let Go Found Rock 4:11
Things I'll Never Say Avril Lavigne Let Go Found Rock 3:43
My World Avril Lavigne Let Go Found Rock 3:27
Nobody's Fool Avril Lavigne Let Go Found Rock 3:57
Too Much to Ask Avril Lavigne Let Go Found Rock 3:45
Naked Avril Lavigne Let Go Found Rock 3:30
Without Me Eminem The Eminem Show Found Rap 4:50
14 Items
Total Time: 53:33 / 51.71MB
Ready

FIGURE 4A

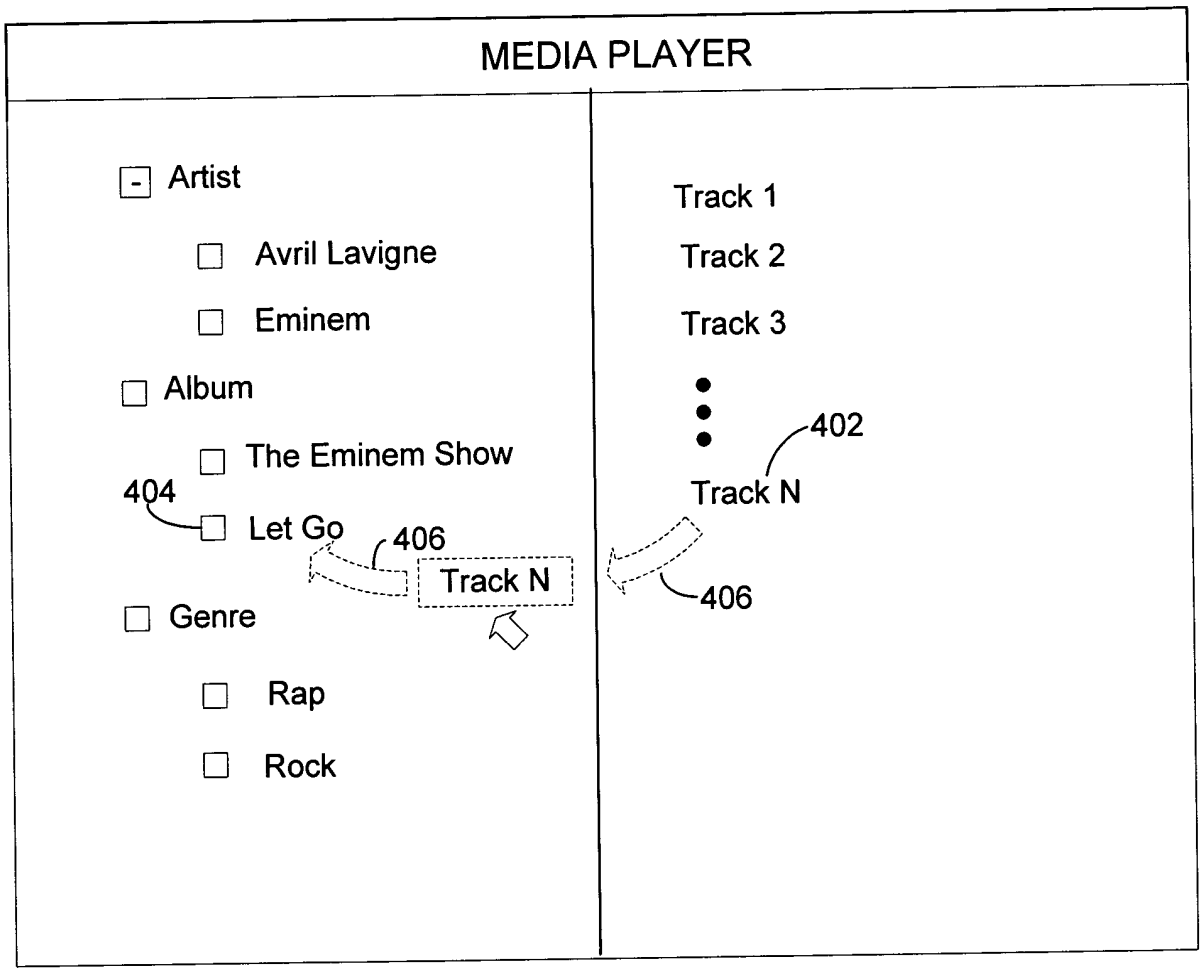

MEDIA PLAYER
Artist
Avril Lavigne
Eminem
Album
The Eminem Show
Let Go
Genre
Rap
Rock
Track 1
Track 2
Track 3
Track N
402
404
406
Track N
406

FIGURE 4B

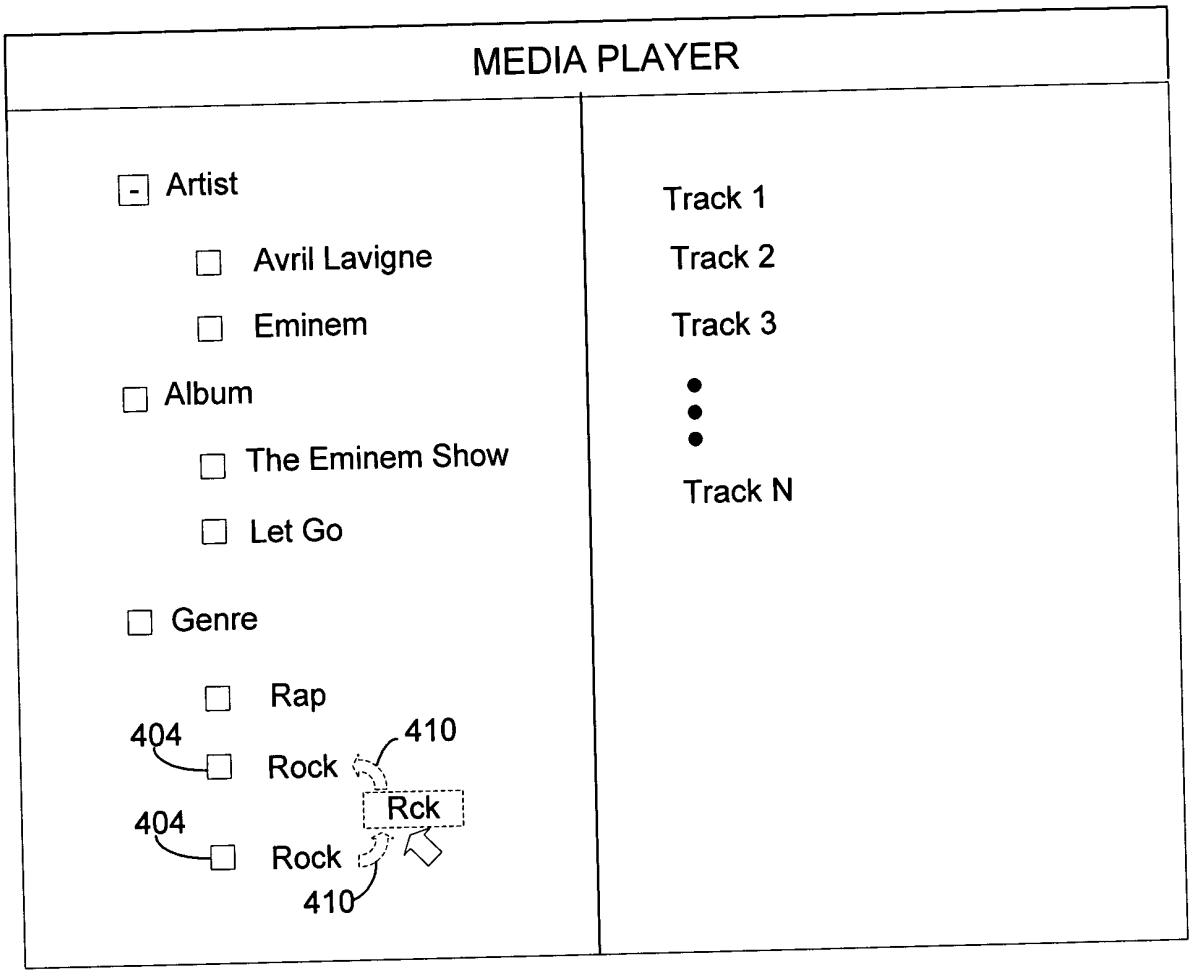

MEDIA PLAYER
Artist
Avril Lavigne
Eminem
Album
The Eminem Show
Let Go
Genre
Rap
Rock
Rock
Rck
404
404
410
410
Track 1
Track 2
Track 3
Track N

FIGURE 5

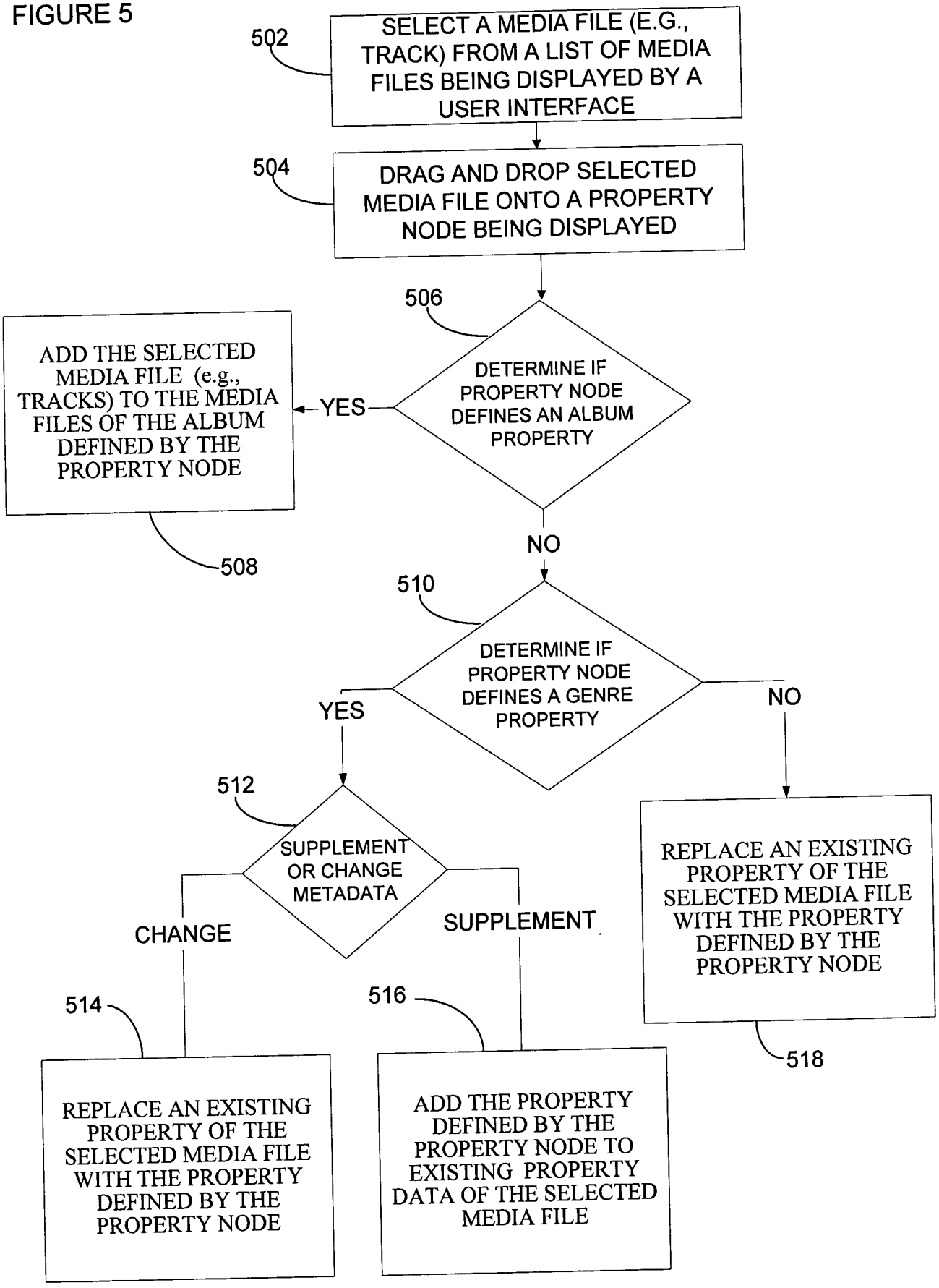

502
SELECT A MEDIA FILE (E.G., TRACK) FROM A LIST OF MEDIA FILES BEING DISPLAYED BY A USER INTERFACE
504
DRAG AND DROP SELECTED MEDIA FILE ONTO A PROPERTY NODE BEING DISPLAYED
506
DETERMINE IF PROPERTY NODE DEFINES AN ALBUM PROPERTY
YES
ADD THE SELECTED MEDIA FILE (e.g., TRACKS) TO THE MEDIA FILES OF THE ALBUM DEFINED BY THE PROPERTY NODE
508
NO
510
DETERMINE IF PROPERTY NODE DEFINES A GENRE PROPERTY
YES
NO
512
SUPPLEMENT OR CHANGE METADATA
CHANGE
SUPPLEMENT
514
REPLACE AN EXISTING PROPERTY OF THE SELECTED MEDIA FILE WITH THE PROPERTY DEFINED BY THE PROPERTY NODE
516
ADD THE PROPERTY DEFINED BY THE PROPERTY NODE TO EXISTING PROPERTY DATA OF THE SELECTED MEDIA FILE
REPLACE AN EXISTING PROPERTY OF THE SELECTED MEDIA FILE WITH THE PROPERTY DEFINED BY THE PROPERTY NODE
518

FIGURE 6

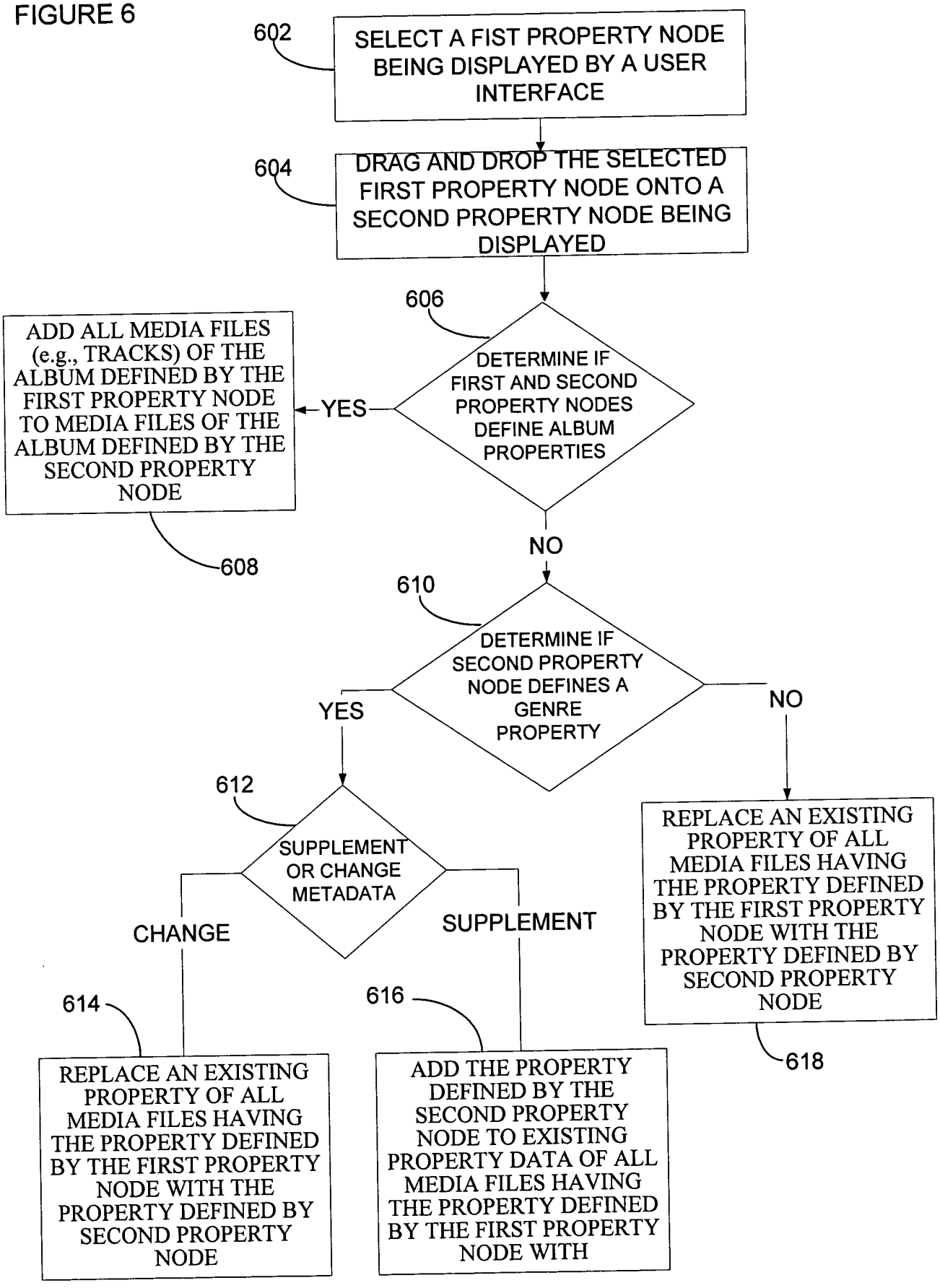
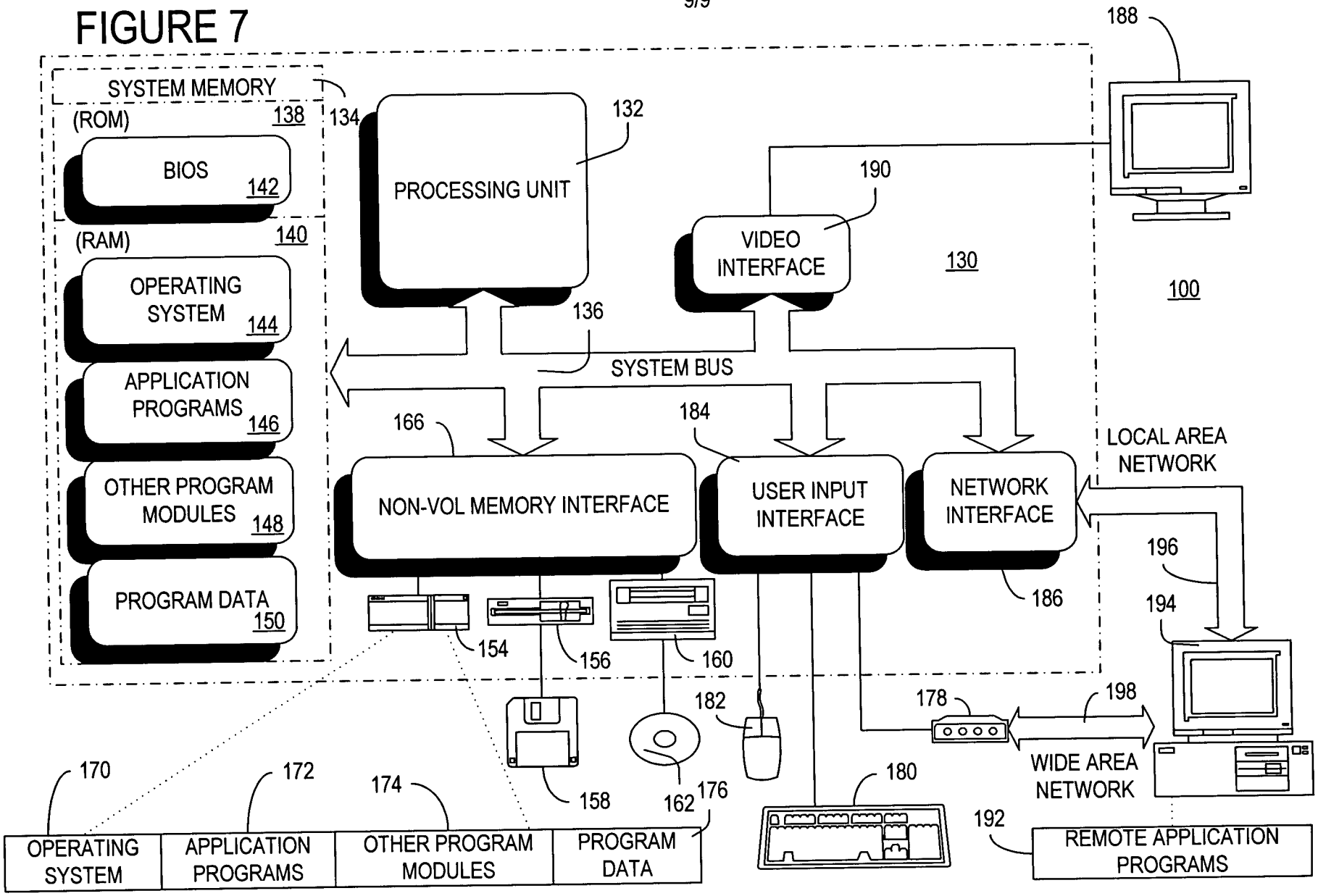

602
SELECT A FIST PROPERTY NODE BEING DISPLAYED BY A USER INTERFACE
604
DRAG AND DROP THE SELECTED FIRST PROPERTY NODE ONTO A SECOND PROPERTY NODE BEING DISPLAYED
606
DETERMINE IF FIRST AND SECOND PROPERTY NODES DEFINE ALBUM PROPERTIES
YES
ADD ALL MEDIA FILES (e.g., TRACKS) OF THE ALBUM DEFINED BY THE FIRST PROPERTY NODE TO MEDIA FILES OF THE ALBUM DEFINED BY THE SECOND PROPERTY NODE
608
NO
610
DETERMINE IF SECOND PROPERTY NODE DEFINES A GENRE PROPERTY
YES
NO
612
SUPPLEMENT OR CHANGE METADATA
CHANGE
SUPPLEMENT
614
REPLACE AN EXISTING PROPERTY OF ALL MEDIA FILES HAVING THE PROPERTY DEFINED BY THE FIRST PROPERTY NODE WITH THE PROPERTY DEFINED BY SECOND PROPERTY NODE
616
ADD THE PROPERTY DEFINED BY THE SECOND PROPERTY NODE TO EXISTING PROPERTY DATA OF ALL MEDIA FILES HAVING THE PROPERTY DEFINED BY THE FIRST PROPERTY NODE WITH
REPLACE AN EXISTING PROPERTY OF ALL MEDIA FILES HAVING THE PROPERTY DEFINED BY THE FIRST PROPERTY NODE WITH THE PROPERTY DEFINED BY SECOND PROPERTY NODE
618

FIGURE 7


SYSTEM MEMORY
(ROM)
138
134
BIOS
142
(RAM)
140
OPERATING SYSTEM
144
APPLICATION PROGRAMS
146
OTHER PROGRAM MODULES
148
PROGRAM DATA
150
PROCESSING UNIT
132
VIDEO INTERFACE
190
130
188
100
136
SYSTEM BUS
166
184
NON-VOL MEMORY INTERFACE
USER INPUT INTERFACE
NETWORK INTERFACE
LOCAL AREA NETWORK
186
196
194
154
156
160
182
178
198
WIDE AREA NETWORK
158
162
176
180
192
REMOTE APPLICATION PROGRAMS
170
172
174
OPERATING SYSTEM
APPLICATION PROGRAMS
OTHER PROGRAM MODULES
PROGRAM DATA